RENESAS HVM187S

Silicon Epitaxial Planar Pin Diode for High Frequency Attenuator

REJ03G0115-0400Z (Previous: ADE-208-055C) Rev.4.00 Oct.08.2003

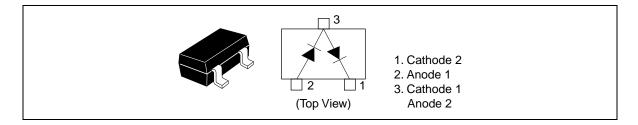
Features

- Low forward resistance. ($r_f = 5.5\Omega \text{ max}$)
- MPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HVM187S	H3	МРАК

Pin Arrangement





HVM187S

Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Value	Unit
Reverse voltage	V _R	60	V
Forward current	l _F	50	mA
Power dissipation	Pd * ¹	100	mW
Junction temperature	Tj	125	°C
Storage temperature	Tstg	–55 to +125	°C

Note: 1. Per one device.

Electrical Characteristics *¹

(Ta = 25°C)

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _R	_	_	100	nA	V _R = 60 V
Forward voltage	VF	_	_	1.0	V	I _F = 10 mA
Capacitance	С	—	—	2.4	pF	$V_{R} = 0 V, f = 1 MHz$
Forward resistance	r _f	3.5	_	5.5	Ω	I _F = 10 mA, f = 100 MHz
ESD-Capability *2	_	200		_	V	C = 200 pF, Both forward and Reverse direction 1 pulse.

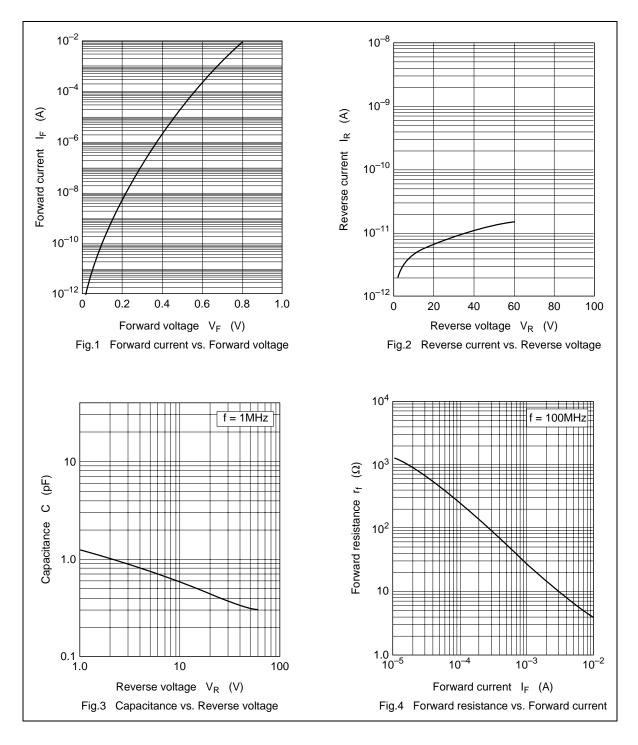
Notes: 1. Per one device.

2. Failure criterion ; $I_R \geq 100 \text{ nA}$ at V_R = 60 V



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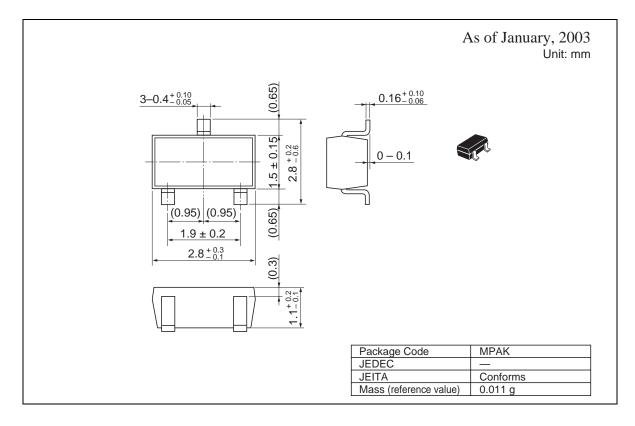
Main Characteristic



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Package Dimensions



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